

Appendix 7-1: Comprehensive Everglades Restoration Plan Annual Report – 470 Report

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INTRODUCTION

The Comprehensive Everglades Restoration Plan (CERP) Annual Report (also known as the CERP 470 Report) is required to provide oversight and accountability for financial commitments under the Everglades restoration legislation, and to record progress of the CERP implementation, in accordance with Section 373.470(7), Florida Statutes. This report is prepared annually by the South Florida Water Management District (SFWMD or District) in cooperation with the Florida Department of Environmental Protection (FDEP); and is made available to the legislature and public as part of the *2011 South Florida Environmental Report (SFER) – Volume I*. The CERP Annual Report fulfills statutory reporting requirements, providing CERP financial updates for Fiscal Year 2010 (FY2010) (October 1, 2009–September 30, 2010) and the status on the CERP implementation. The report is divided into three parts (A, B, and C), paralleling the content requirement outlined in the statute.

Similar to previous SFERs, Parts (A) and (B) in this year's report provide an update on District and FDEP fund appropriations and expenditures related to the CERP Program. Information is provided on the Florida Forever Trust Fund, the Save Our Everglades Trust Fund, and other funding sources used for CERP projects, components, features, or facilities that benefit CERP. Additionally, itemized expenditures related to CERP implementation are presented, along with the purpose for which the funds were expended, the unencumbered fund balance remaining for CERP implementation, and the schedule of anticipated expenditures for the next fiscal year (FY2011).

Part (C) in this year's report has been revamped to provide an overview of the CERP implementation by reviewing the progression of each project or component through the CERP implementation process. Additionally, highlights of key CERP activities occurring during the reporting cycle are provided. To further streamline annual reporting, project specific details such as descriptions, project schedules, fiscal year milestones, and accomplishments are available in the SFER Consolidated Project Report Database at www.sfwmd.gov/SFER.

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PART (A) FUNDS – SFWMD AND FDEP

BACKGROUND

Pursuant to Section 373.470(7)(a), F.S., Part (A) of the CERP Annual Report contains fiscal-year information on revenues, expenditures, fund balance, and anticipated expenditures related to CERP implementation. This financial information is summarized in **Tables 1** through **4** as follows:

- **Table 1:** FY2010 revenues
- **Table 2:** FY2010 expenditures
- **Table 3:** FY2010 unencumbered balance of funds remaining in trust funds or other accounts
- **Table 4:** Anticipated expenditures for the next fiscal year, FY2011

Only revenues, expenditures, and unencumbered balances dedicated to CERP are included in these tables. The financial information contained in this annual report is taken from unaudited FY2010 records. Audited FY2010 information is scheduled to be available during the second quarter of FY2011. Any changes to the financial information presented in this appendix will be reflected in the District's Comprehensive Annual Financial Report and in future CERP Annual Reports. No federal revenues or expenditures are shown in these schedules.

The District is funding its share of CERP with revenues from several sources, the largest portion of which is composed of *ad valorem* taxes. Other sources include, but are not limited to, state appropriations, investment earnings on available cash balances, contributions from local governments, mitigation revenues, long-term debt, and Florida Forever Program funds (see Chapter 6A: Florida Forever Work Plan, 2011 Annual Update for additional information).

BASIS OF PRESENTATION

Accounting principles, policies, and practices of both the District and the FDEP conform to generally accepted accounting principles (GAAPs) for state and local governments, and are structured in accordance with the Government Accounting Standards Board requirements. GAAPs require the use of fund accounting. A fund is a separate fiscal and accounting entity having a self-balancing set of accounts. Fund accounting is designed to segregate transactions related to certain functions or activities to ensure resources are applied to finance the activities and objectives for which the resources are received and to show compliance with legal and contractual obligations.

Table 1. Comprehensive Everglades Restoration Plan (CERP) revenues for Fiscal Year 2010 (FY2010) (October 1, 2009–September 30, 2010)¹.

Source	SFWMD ²	FDEP ³	Other Local Sponsors	Total
Save Our Everglades Trust Fund:				
Bond Proceeds		40,000,000		40,000,000
Documentary Stamp Taxes (for Debt Service)		15,723,965		15,723,965
Investment Earnings (net)		2,578,822		2,578,822
Save Our Everglades Trust Fund – Total		58,302,787		58,302,787
Ad Valorem Resources	79,167,061			79,167,061
Investment Earnings	3,341,768			3,341,768
Water Management Lands Trust Fund	14,575			14,575
Florida Forever Trust Fund	595,360	2,496,775		3,092,135
State Appropriations	87,807			87,807
Alligator Alley Toll Revenues	161,937			161,937
Lease Revenues	990,565			990,565
Miscellaneous Revenues	5,696			5,696
Total Revenues	84,364,769	60,799,562	N/A	145,164,331

¹Federal revenues are not listed in this table.

²This information is being presented prior to the completion of the SFWMD annual audit and is subject to further adjustments.

³The information for FDEP reflects the Save Our Everglades Trust Fund in its entirety, including funding to be used for the implementation of the Northern Everglades Estuary Protection Program.

Table 2. CERP expenditures for FY2010¹.

Projects	SFWMD	FDEP	Total
Local Sponsor – SFWMD^{2,3}			
Pilot Projects			
Lake Okeechobee ASR Pilot			0
Caloosahatchee (C-43) River ASR Pilot			0
Hillsboro ASR Pilot	638,290		638,290
ASR Regional Study	782,366		782,366
Lake Belt In-Ground Reservoir Technology Pilot			0
L-31N Seepage Management Pilot	6,535		6,535
Wastewater Reuse Technology Pilot			0
Kissimmee River and Lake Okeechobee Region			
Lake Okeechobee Watershed	199,730		199,730
Lake Istokpoga Regulation Schedule			0
Lake Okeechobee Aquifer Storage and Recovery			0
Caloosahatchee River Region			
C-43 Basin Storage Reservoir – Part 1 ⁴	255,835	2,863,068	3,118,903
C-43 Basin Aquifer Storage and Recovery – Part 2			0
Caloosahatchee Backpumping with Stormwater Treatment			0
Upper East Coast Region			
Indian River Lagoon – South / C-44 Reservoir and STA ⁴	1,769,682	10,316,305	12,085,987
Everglades Agricultural Area			
River of Grass	5,752,683		5,752,683
Everglades Agricultural Area Storage Reservoirs - Phase 1 ⁵	1,664,459		1,664,459
EAA Bolles and Cross Canals			0
Everglades Agricultural Area Storage Reservoirs - Phase 2			0
Big Cypress Region			
Big Cypress/L-28 Interceptor Modifications			0

Table 2. Continued.

Projects	SFWMD	FDEP	Total
Water Conservation Areas and Everglades Region			
Flow to Northwestern & Central WCA-3A			0
WCA-3 Decomp and Sheetflow Enhancement – Part 1	1,026,805		1,026,805
WCA-3 Decomp and Sheetflow Enhancement – Part 2			0
Everglades National Park Seepage Management			0
Loxahatchee National Wildlife Refuge Internal Canal Structures			0
Modify Holey Land Wildlife Management Area Operation Plan			0
Modify Rotenberger Wildlife Management Area Operation Plan			0
Melaleuca Eradication and Other Exotic Plants	33,735		33,735
Lower East Coast Region			
North Palm Beach County - Part 1 ⁴	2,504,862	17,000,000	19,504,862
North Palm Beach County - Part 2			0
ACME Basin B Discharge			0
Strazzula Wetlands			0
Site 1 Impoundment	335,436		335,436
Broward County Water Preserve Area	352,542		352,542
C-11 Impoundment			0
C-9 Impoundment			0
WCA-3A/3B Seepage Management			0
C-4 Structure			0
Bird Drive Recharge Area	46,145		46,145
PBC Agriculture Reserve Reservoir – Part 1	45		45
PBC Agriculture Reserve Aquifer Storage & Recovery – Part 2			0
Hillsboro Aquifer Storage & Recovery – Part 2			0
Diverting WCA Flows to CLB to Downstream Natural Areas			0
Broward County Secondary Canal System			0
North Lake Belt Storage Area			0
Central Lake Belt Storage Area			0

Table 2. Continued.

Projects	SFWMD	FDEP	Total
Lower East Coast Region <i>(continued)</i>			
Everglades National Park Seepage Management	635		635
Biscayne Bay Coastal Wetlands	1,719,562	24,504,500	26,224,062
C-111 Spreader Canal	5,474,493	4,499,550	9,974,043
Southwestern Florida Region			
Picayune Strand (Southern Golden Gate Estates) Hydrologic Restoration ⁴	2,790,114	11,817,402	14,607,516
Florida Bay and Florida Keys Region			
Florida Keys Tidal Restoration			0
Critical Restoration Projects			
Ten Mile Creek	82,753		82,753
Western Tamiami Trail Culverts			0
Western C-4 Water Control Structures			0
Southern Crew/Imperial River Flowway	1,931,943		1,931,943
Lake Trafford Restoration	4,688,197		4,688,197
Lake Okeechobee Water Retention/Phosphorus Removal	53,602		53,602
Western C-11 Water Quality Improvement			0
Critical Restoration Program Controls			0
Reconnaissance, Feasibility, and Planning Studies			
Southwest Florida Feasibility Study	115,535		115,535
Florida Bay and Florida Keys Feasibility Study			0
Indian River Lagoon Feasibility Study			0
Water Preserve Areas Feasibility Study			0
Monitoring and Evaluation			
RECOVER	250,556		250,556
Adaptive Assessment and Monitoring	3,176,232		3,176,232

Table 2. Continued.

Projects	SFWMD	FDEP	Total
Program Management & Support			
Program Management	5,978,939		5,978,939
Program Support ⁶	16,813,798	14,438,215	31,252,013
Program Controls			0
Public Involvement and Outreach	84,948		84,948
Environmental and Economic Equity	39		39
Data Management	1,470,130		1,470,130
Interagency Modeling Center	1,011,116		1,011,116
Master Recreation Plan			0
Programmatic Regulations			0
CERP Pre-Cursors			
C-111 Project Implementation	694,661		694,661

Table 2. Continued.

Projects	SFWMD	FDEP	Total
Other Local Sponsors⁷			
Comprehensive Integrated Water Quality Feasibility Study (FDEP)			0
Biscayne Bay Feasibility Study (Miami-Dade DERM)			N/A
Seminole Tribe Big Cypress Reservation Water Conservation Plan (Seminole Tribe)			N/A
Henderson Creek/Belle Meade Restoration (FDEP)			N/A
Lakes Park Restoration (Lee County)			N/A
Winsburg Farms Wetlands Restoration (Palm Beach County)			N/A
Miccosukee Water Management Plan (Miccosukee Tribe)			N/A
Restoration of Pineland & Hardwood Hammocks in C-111 Basin (Miami-Dade County)			N/A
West Miami-Dade Reuse (Miami-Dade County)			N/A
South Miami-Dade Reuse (Miami-Dade County)			N/A
TOTALS⁷	58,377,485	85,439,040	143,816,525

¹Federal expenditures are not listed in this table.

²Project expenditures include indirect costs that are charged to the program by applying a federally approved rate to direct salaries.

³This information is being presented prior to the completion of the SFWMD annual audit and is subject to further adjustments.

⁴A total of \$39.5M in funding from the SOETF for four projects in FY2010 represents reimbursement of prior year costs. Those expenditures were shown in prior year reports as funded by SFWMD *ad valorem* funds. This funding from the SOETF in FY2010 reduces the amount of SFWMD *ad valorem* funding applied to those projects, as shown in those prior year reports. The resulting reductions in SFWMD *ad valorem* funding for the following projects in prior years are:

C-43 Basin Storage Reservoir:	(\$2,863,068)
North Palm Beach County- Part 1:	(\$17,000,000)
Indian River Lagoon-South/C-44 Basin Reservoir/STA:	(\$10,316,305)
Picayune Strand Hydrologic Restoration:	(\$9,320,627)

⁵Negative expenditure reflects a reimbursement of prior year owner contributed insurance premiums.

⁶For SFWMD: Includes debt service of \$15,775,156 on the 2006 series Certificates of Participation to fund project construction for FDEP: Reflects debt service on existing bonds.

⁷For local sponsors other than the SFWMD, "N/A" indicates the information is not available.

Table 3. CERP unencumbered fund balance for FY2010¹.

	SFWMD ²	FDEP ⁵	Other Local Sponsors	Total
Fund Balance as of October 1, 2009³	215,205,582	97,303,184	N/A	312,508,766
Add: Revenues	84,364,769	60,799,562	N/A	145,164,331
Less: Expenditures	(58,377,487)	(97,774,340)	N/A	(156,151,827)
Fund Balance as of September 30, 2010³	241,192,864	60,328,406	N/A	301,521,270
Less: Encumbrances - as of September 30, 2010	(5,361,462)	(18,402,582)	N/A	(23,764,044)
Designated Fund Balance ⁴	(170,982,615)		N/A	(170,982,615)
Add: Fund Balance Reserved for Encumbrances as of September 30, 2009		56,913		56,913
Unencumbered Balance as of September 30, 2010	64,848,787	41,982,737	N/A	106,831,524

¹ Federal expenditures are not included in this table.

² This information is being presented prior to the completion of the SFWMD annual audit and is subject to further adjustments.

³ Fund balance figures for SFWMD include the CERP *Ad Valorem* Fund, Other Creditable CERP Fund and CERP capital construction fund.

⁴ This represents the portion of fund balance designated to fund the following year's budget. It includes \$167,166,122 of CERP *ad valorem*, plus \$3,816,493 of COPs proceeds (CERP Fund).

⁵ The information for FDEP reflects the Save Our Everglades Trust Fund in its entirety, including funding to be used for the implementation of the Northern Everglades Estuary Protection Program.

Table 4. CERP anticipated expenditures for FY2011.¹

	Total Anticipated Expenditures
Local Sponsor – SFWMD	
Pilot Projects	
Lake Okeechobee ASR Pilot	0
Caloosahatchee (C-43) River ASR Pilot	0
Hillsboro Aquifer Storage and Recovery (ASR) Pilot	149,304
ASR Regional Study	49,521
Lake Belt In-Ground Reservoir Technology Pilot	0
L-31N Seepage Management Pilot	95,336
Wastewater Reuse Technology Pilot	0
Kissimmee River and Lake Okeechobee Region	
Lake Okeechobee Watershed	132,133
Lake Istokpoga Regulation Schedule	0
Lake Okeechobee Aquifer Storage and Recovery	0
Caloosahatchee River Region	
C-43 Basin Storage Reservoir – Part 1	195,430
C-43 Basin Aquifer Storage and Recovery – Part 2	0
Caloosahatchee Backpumping with Stormwater Treatment	0
Upper East Coast Region	
Indian River Lagoon – South (Includes C-44 Reservoir / STA)	0
C-44 Reservoir / Stormwater Treatment Area	13,460,433
Everglades Agricultural Area	
River of Grass ²	195,088,935
Everglades Agricultural Area Storage Reservoirs – Phase 1	0
Everglades Agricultural Area Bolles and Cross Canals	0
Everglades Agricultural Area Storage Reservoirs – Phase 2	0
Big Cypress Region	
Big Cypress/L-28 Interceptor Modifications	0
Water Conservation Areas and Everglades Region	
Flow to Northwestern & Central WCA-3A	0
WCA-3 Decomp and Sheetflow Enhancement – Part 1	851,085
WCA-3 Decomp and Sheetflow Enhancement – Part 2	0
Loxahatchee National Wildlife Refuge Internal Canal Structures	0
Modify Holey Land Wildlife Management Area Operation Plan	0
Modify Rotenberger Wildlife Management Area Operation Plan	0
Melaleuca Eradication and Other Exotic Plants	68,142

Table 4. Continued.

	Total Anticipated Expenditures
Lower East Coast Region	
North Palm Beach County - Part 1	2,970,065
North Palm Beach County - Part 2	0
Strazzula Wetlands	0
Site 1 Impoundment	341,104
Broward County Water Preserve Area	133,297
C-11 Impoundment	0
C-9 Impoundment	0
WCA-3A/3B Seepage Management	0
C-4 Structure	0
Bird Drive Recharge Area	0
PBC Agriculture Reserve Reservoir – Part 1	0
PBC Agriculture Reserve Aquifer Storage & Recovery – Part 2	0
Hillsboro Aquifer Storage & Recovery – Part 2	0
Diverting WCA Flows to CLB to Downstream Natural Areas	0
Broward County Secondary Canal System	0
North Lake Belt Storage Area	0
Central Lake Belt Storage Area	0
Everglades National Park Seepage Management	0
Biscayne Bay Coastal Wetlands	23,181,622
C-111 Spreader Canal	14,192,115
Southwestern Florida Region	
Picayune Strand (Southern Golden Gate Estates)	
Hydrologic Restoration	1,388,656
Florida Bay and Florida Keys Region	
Florida Keys Tidal Restoration	0
Critical Restoration Projects	
Ten Mile Creek	1,220,559
Western Tamiami Trail Culverts	0
Western C-4 Water Control Structures	0
Southern Crew/Imperial River Flow-ways	7,756,748
Lake Trafford Restoration	2,163,736
Lake Okeechobee Water Retention/Phosphorus Removal	128,478
Western C-11 Water Quality Improvement	0
Critical Restoration Project Implementation Support	0

Table 4. Continued.

	Total Anticipated Expenditures
Reconnaissance, Feasibility, and Planning Studies	
Southwest Florida Feasibility Study	70,578
Florida Bay and Florida Keys Feasibility Study	0
Indian River Lagoon Feasibility Study	0
Water Preserve Areas Feasibility Study	0
Monitoring and Evaluation	
RECOVER	142,390
Adaptive Assessment and Monitoring	3,583,683
Program Management & Support	
Program Management and Support	4,521,970
Geodetic Vertical Control Surveys	0
Program Controls	0
Public Involvement and Outreach	0
Environmental and Economic Equity	0
Data Management	1,480,218
Master Recreation Plan	0
Interagency Modeling Center	683,640
Programmatic Regulations	0
Project Implementation Support	0
Program Indirect Costs ³	7,556,000
Capital Project Reserve ⁴	17,572,540
Debt Service ⁵	15,753,090
CERP Pre-Cursors	
C-111 Project Implementation	634,713

Table 4. Continued.

	Total Anticipated Expenditures
Other Local Sponsors	
Comprehensive Integrated Water Quality Feasibility Study (FDEP)	N/A
Biscayne Bay Feasibility Study (Miami-Dade DERM)	N/A
Seminole Tribe Big Cypress Reservation Water Conservation Plan (Seminole Tribe)	N/A
Henderson Creek/Belle Meade Restoration (FDEP)	0
Lakes Park Restoration (Lee County)	N/A
Winsburg Farms Wetlands Restoration (Palm Beach County)	N/A
Miccosukee Water Management Plan (Miccosukee Tribe)	N/A
Restoration of Pineland and Hardwood Hammocks in C-111 Basin (Miami-Dade County)	N/A
West Miami-Dade Reuse (Miami-Dade County)	N/A
South Miami-Dade Reuse (Miami-Dade County)	N/A
TOTALS	315,565,521

¹Federal expenditures are not listed on this table.

²This reflects the planned acquisition of U.S. Sugar land. There is no anticipated financing for this transaction.

³This includes the cost of District central service departments (e.g., accounting, budget, procurement, etc.) charged to the program by applying a federally-approved indirect rate to direct salaries.

⁴These funds are reserved for design and construction of capital projects still to be determined.

⁵This represents budgeted debt service in FY2011 on the Certificates of Participation issued in 2006 (FY2007) to fund project construction.

CLB – Central Lake Belt

WCA – Water Conservation Area

PART (B) FUNDS – FDEP

BACKGROUND

Pursuant to Section 373.470(7)(b), F.S., Part (B) of the CERP Annual Report provides a detailed account of all funds expended by the State of Florida toward the state's share of funding for implementation of CERP in FY2010. Every CERP project is or will be described in a Project Implementation Report, and a Project Partnership Agreement subsequently will be executed. The amount of expenditures to be credited toward the state of Florida's share of funding for implementation of CERP will be developed during the detailed design phase and affirmed in the respective Project Partnership Agreements.

BASIS OF PRESENTATION

The FDEP's accounting policies conform to GAAP for state and local governmental units and are structured in accordance with the Government Accounting Standards Board requirements. The information in these special-purpose financial presentations relates to the general fund and to special revenue funds classified as a governmental fund type. Special revenue funds are used to account for specific revenue sources that are legally restricted to expenditure for specified purposes (see **Table 5**).

Table 5. Florida Department of Environmental Protection, CERP Annual Report for FY2010.

	Save Our Everglades Trust Fund	Florida Forever Trust Fund	Totals
Revenues By Source of Funds			
Bond Proceeds	40,000,000		40,000,000
Documentary Stamp Taxes for Debt Service	15,723,965		15,723,965
Florida Forever Trust Fund		2,496,775	2,496,775
Interest Earnings (Net)	2,578,822		2,578,822
Total Revenues	58,302,787	2,496,775	60,799,562
Expenditures By Project			
CERP Projects:			
C-43 Basin Storage Reservoir ¹	2,863,068		2,863,068
North Palm Beach County - Part 1 ¹	17,000,000		17,000,000
IRL-S / C-44 Basin Storage Reservoir & STA ¹	10,316,305		10,316,305
Picayune Strand Hydrologic Restoration ¹	9,320,627	2,496,775	11,817,402
Biscayne Bay Coastal Wetlands	24,504,500		24,504,500
C-111 Spreader Canal	4,499,550		4,499,550
Non-CERP Projects:			
Northern Everglades Caloosahatchee River	927,445		927,445
Lake Okeechobee Protection Plan	7,874,187		7,874,187
Northern Everglades Non-Point Source Controls	1,750,000		1,750,000
St. Lucie River Watershed Projects	1,723,667		1,723,667
Nutrient Control Technologies	60,000		60,000
Debt Service on Bonds	14,438,215		14,438,215
Total Expenditures	95,277,565	2,496,775	97,774,340
Encumbrances/Obligations	18,402,582	0	18,402,582
Total Encumbrances/Obligations	18,402,582	0	18,402,582
Excess (Deficiency) of Revenues Over Expenditures and Encumbrances/Obligations	(55,377,360)	0	(55,377,360)
Unencumbered Balance as of September 30, 2009	97,303,184	0	97,303,184
Fund Balance Reserved for Encumbrances as of September 30, 2009	56,913		56,913
Unencumbered Balance as of September 30, 2010	41,982,737	0	41,982,737

¹ The amounts shown as funded from the SOETF, totaling \$39,500,000, represent reimbursement of prior year costs. These amounts were shown in prior year reports as funded by SFWMD *ad valorem* funds. This funding from the SOETF in FY2010 reduces the amount of SFWMD *ad valorem* funding applied to those projects, as shown in those prior year reports.

PART (C) – IMPLEMENTATION STATUS

BACKGROUND

The Comprehensive Everglades Restoration Plan (USACE and SFWMD, 1999) is a conceptual plan which proposed major modifications to the Central and Southern Florida Project in order to reverse decades of ecosystem decline. Specifically, the plan describes nearly 50 major projects and 68 project components to be constructed at a cost, estimated in 2004 dollars, of approximately \$10.9 billion. Major components of CERP focus on restoring the quantity, quality, timing, and distribution of water for the natural system, and include Aquifer Storage and Recovery (ASR), in-ground reservoirs, rainfall-driven operations, removing barriers to sheetflow, seepage management, Stormwater Treatment Areas, surface water storage reservoirs, and water reuse and conservation. Maps of the CERP projects and components, including pilot projects, are provided in **Figures 1a–1g**.

Authorized by the U.S. Congress in 2000, the CERP Program builds upon and complements other state and federal initiatives to revitalize South Florida's ecosystem. In 2000, the federal government and the state of Florida entered into an equal partnership agreement to restore, protect, and preserve water resources in Central and South Florida, including the Everglades. The U.S. Army Corps of Engineers (USACE) is the lead federal agency and the South Florida Water Management District (SFWMD or District) is the lead state agency for the effort. Together, the partners are working with other agencies and stakeholders to provide significant and lasting environmental benefits, enhance water supplies, and maintain food protection for the region.

The time frame of the Central and South Florida Project Comprehensive Review Study (Restudy) did not permit a thorough investigation of all the regional water resource challenges in South Florida; therefore, several new feasibility studies were proposed. These studies will be conducted under the authority of the Water Resources Development Act of 1996, which allows for the continuation of studies and analyses that are necessary to further the Comprehensive Plan. These studies will investigate conceptual designs developed under the Comprehensive Plan and make regional recommendations for meeting the future needs of agricultural, urban, and environmental users. A map of the CERP Feasibility and Reconnaissance Studies is provided as **Figure 2**. Additional information is available at <http://www.evergladesplan.org/pm/studies/studies.aspx>.

In addition to activities outlined in the plan, several non-CERP projects were under way when the plan was written and are necessary precursors for many CERP projects. This precedence relationship was acknowledged when WRDA 2000 required the completion of certain of these projects before appropriations are made for related CERP restoration projects. A map of the Critical Restoration Projects is provided as **Figure 3**. Additional information is available at http://www.saj.usace.army.mil/Divisions/Planning/Branches/Environmental/Projects_Critical.htm.

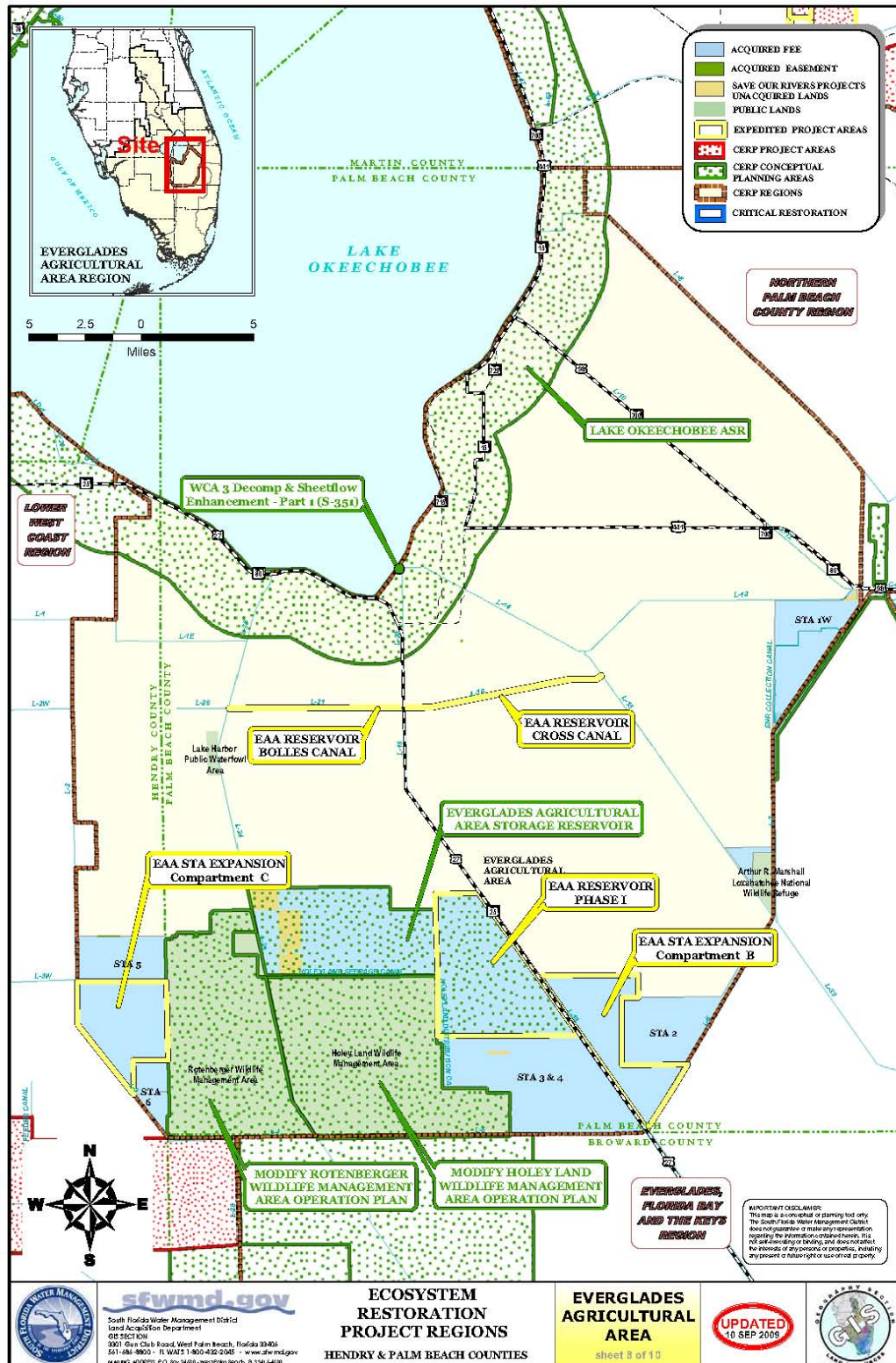


Figure 1a. General location of CERP projects and components, Everglades Agricultural Area region.

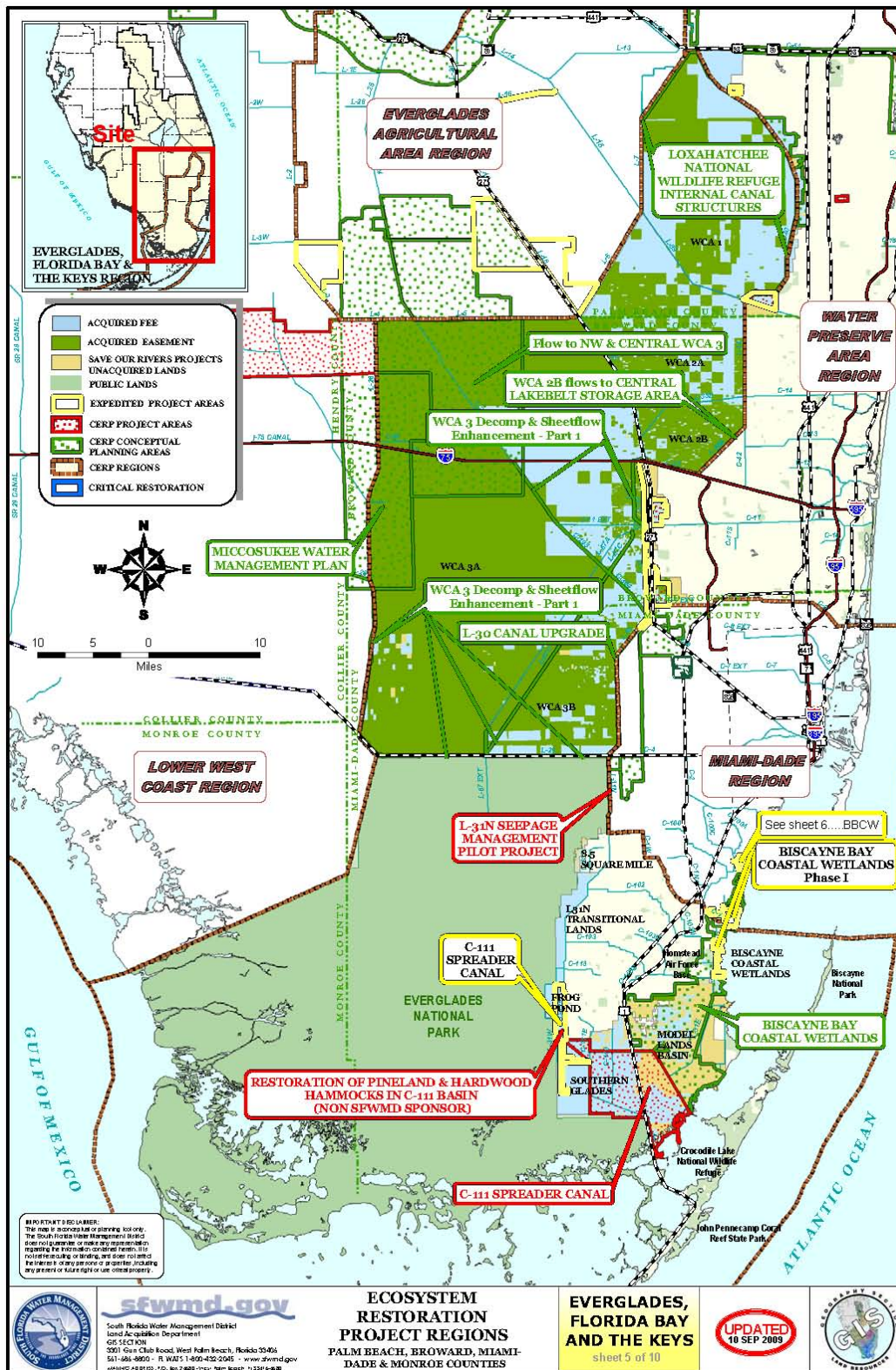


Figure 1b. General location of CERP projects and components, Everglades, Florida Bay, and Florida Keys region.

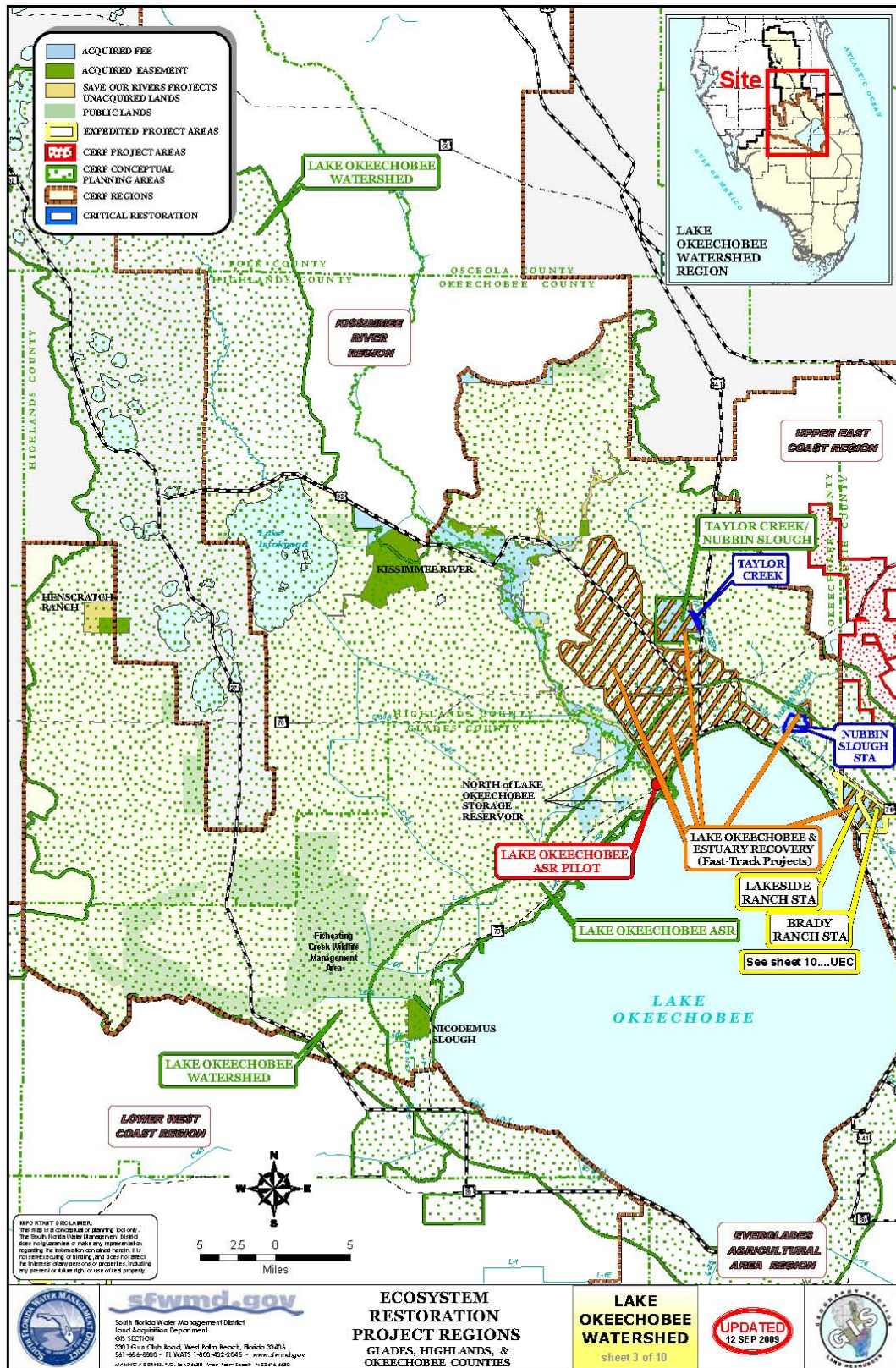


Figure 1c. General location of CERP projects and components, Lake Okeechobee Watershed region.

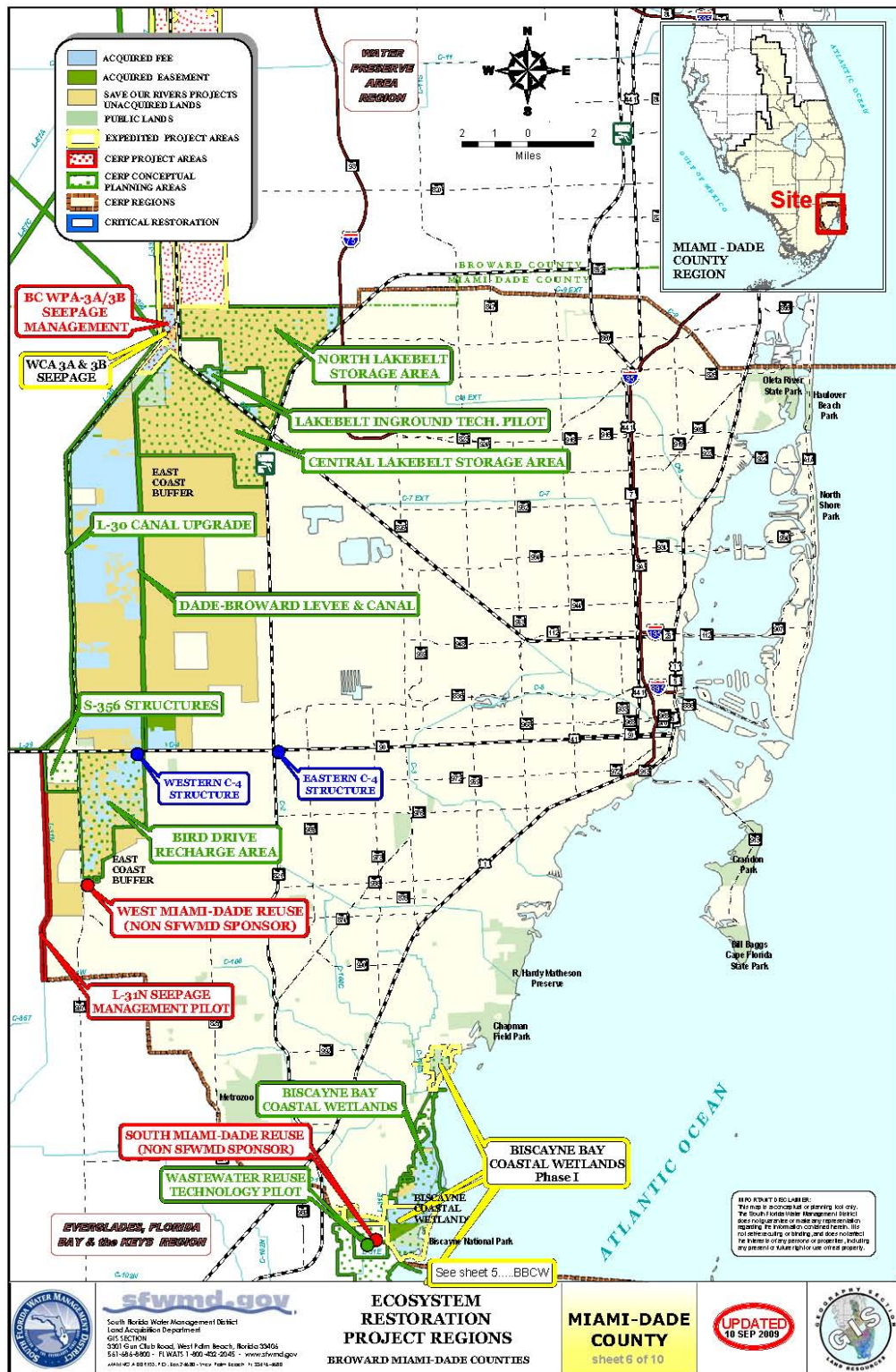


Figure 1d. General location of CERP projects and components, Miami-Dade County region.

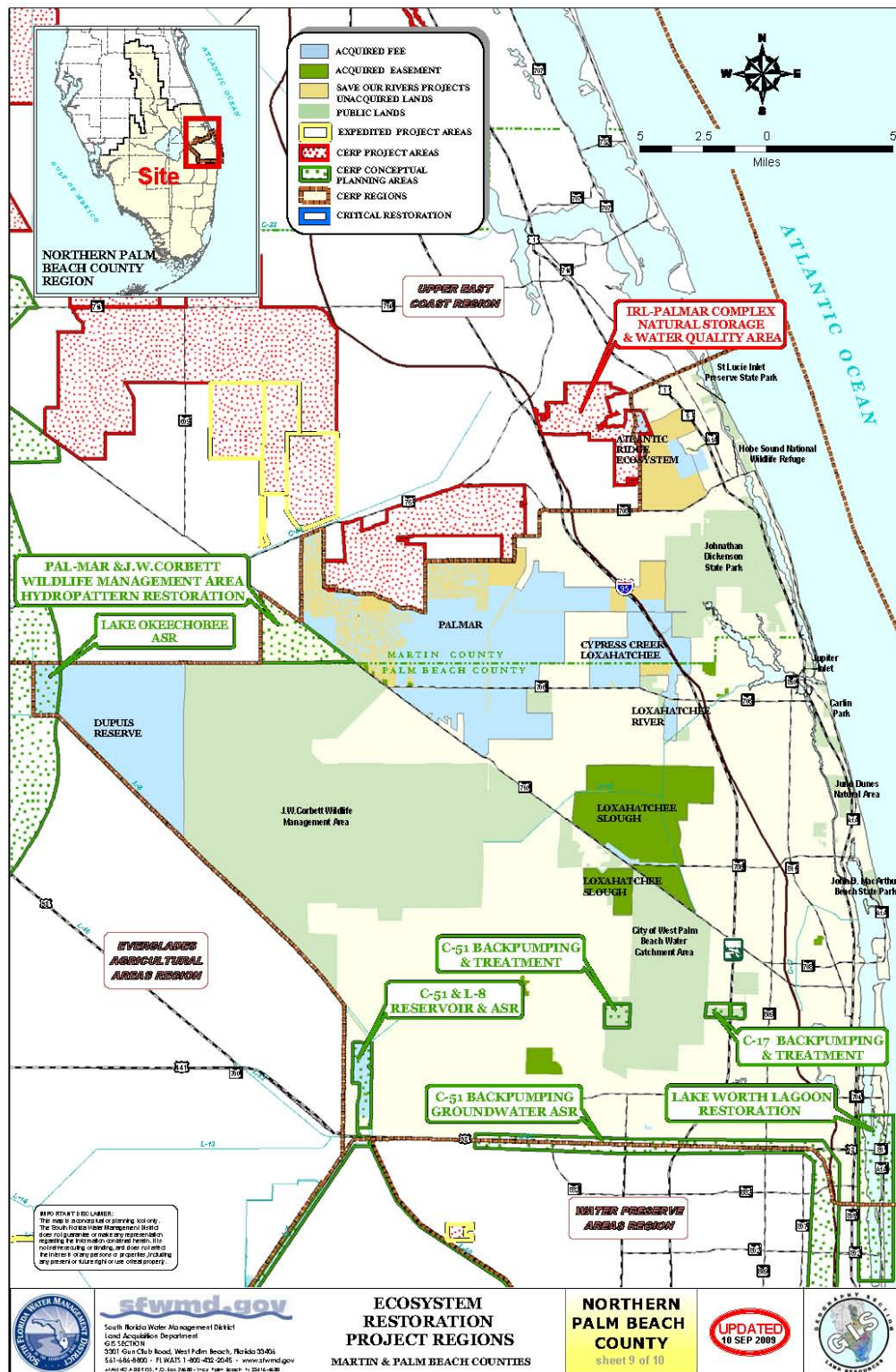


Figure 1e. General location of CERP projects and components, North Palm Beach County region.

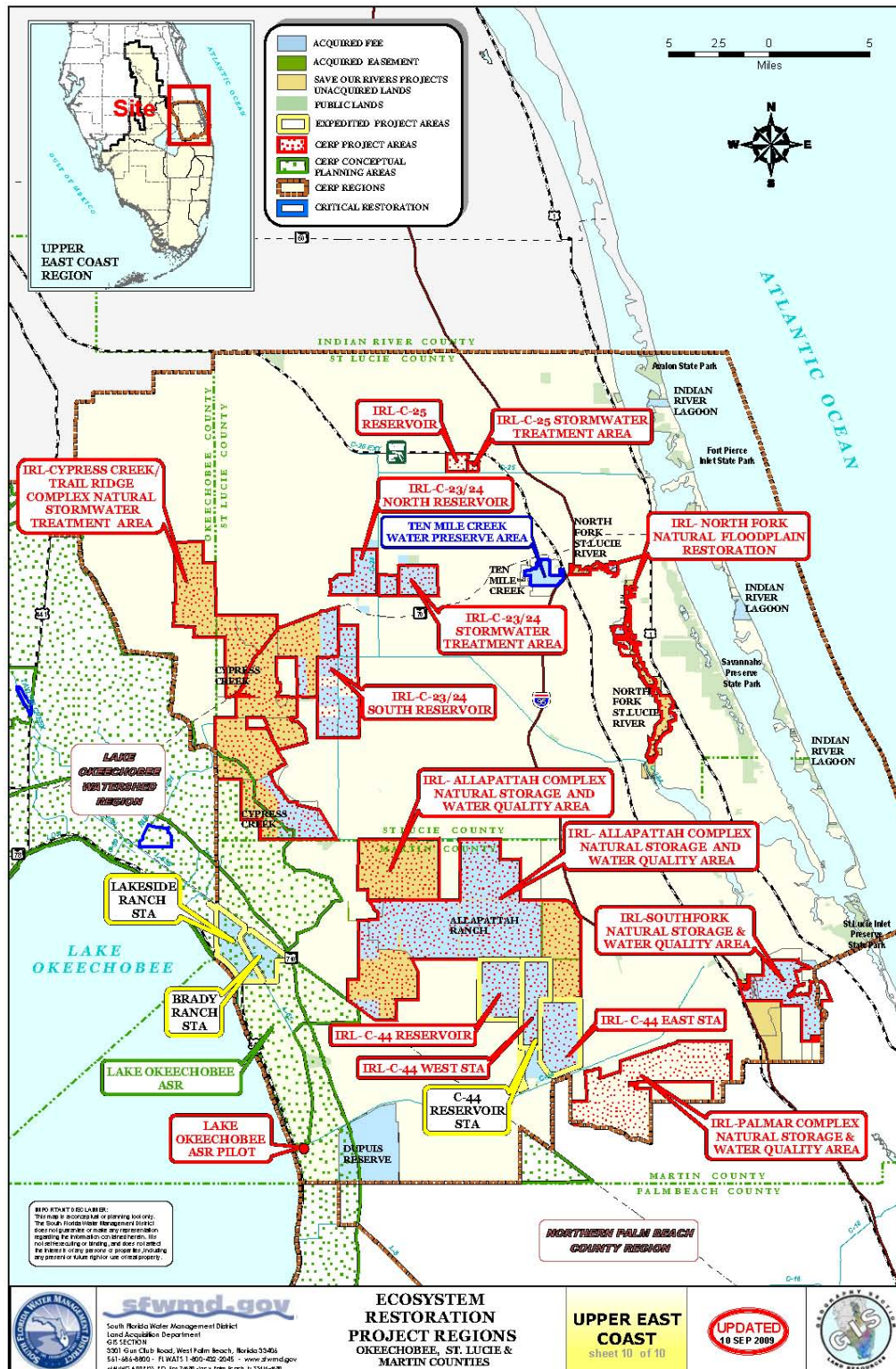
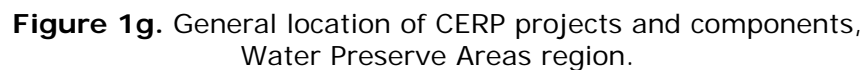


Figure 1f. General location of CERP projects and components, Upper East Coast region.



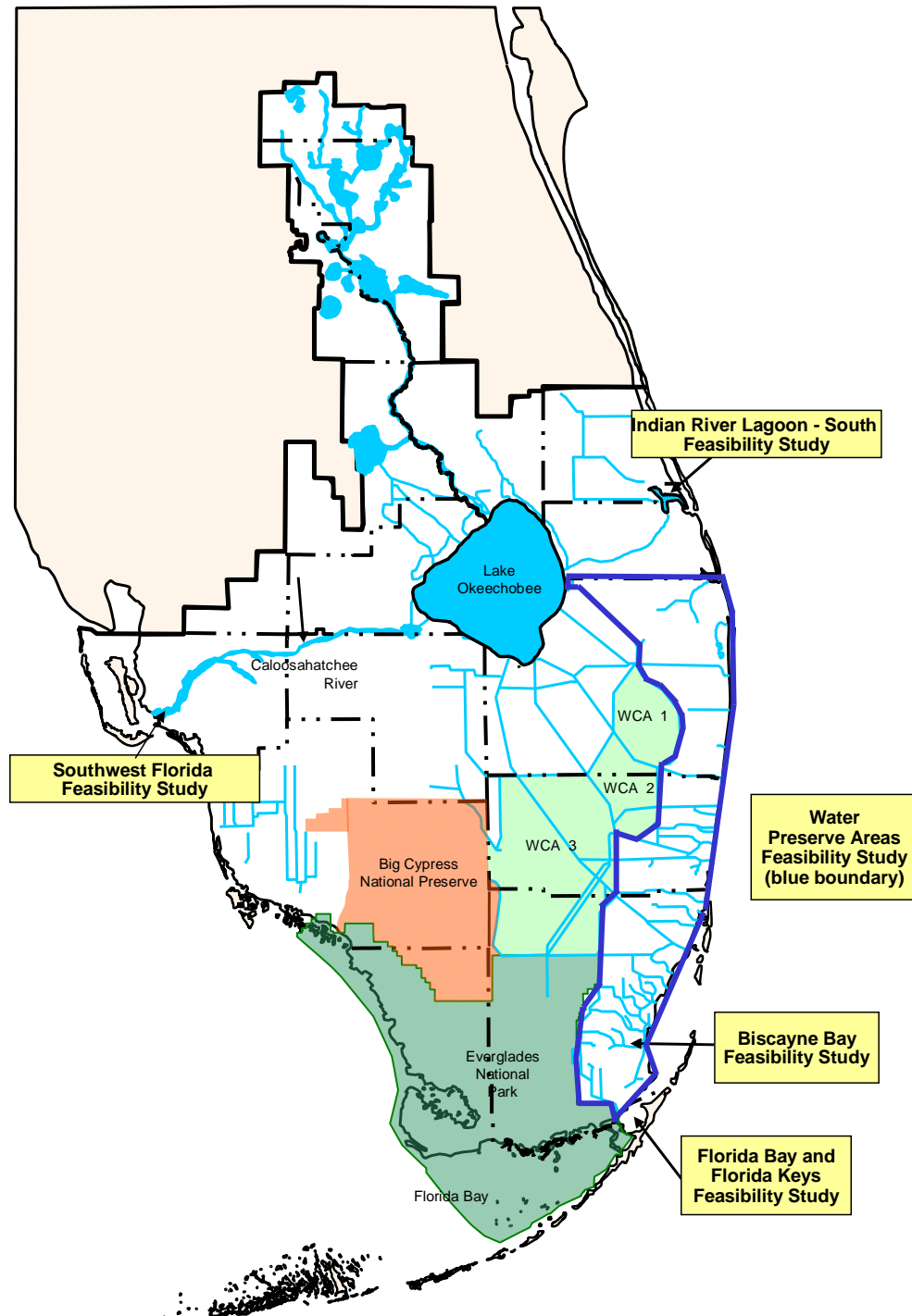


Figure 2. General location of Feasibility and Reconnaissance Studies.

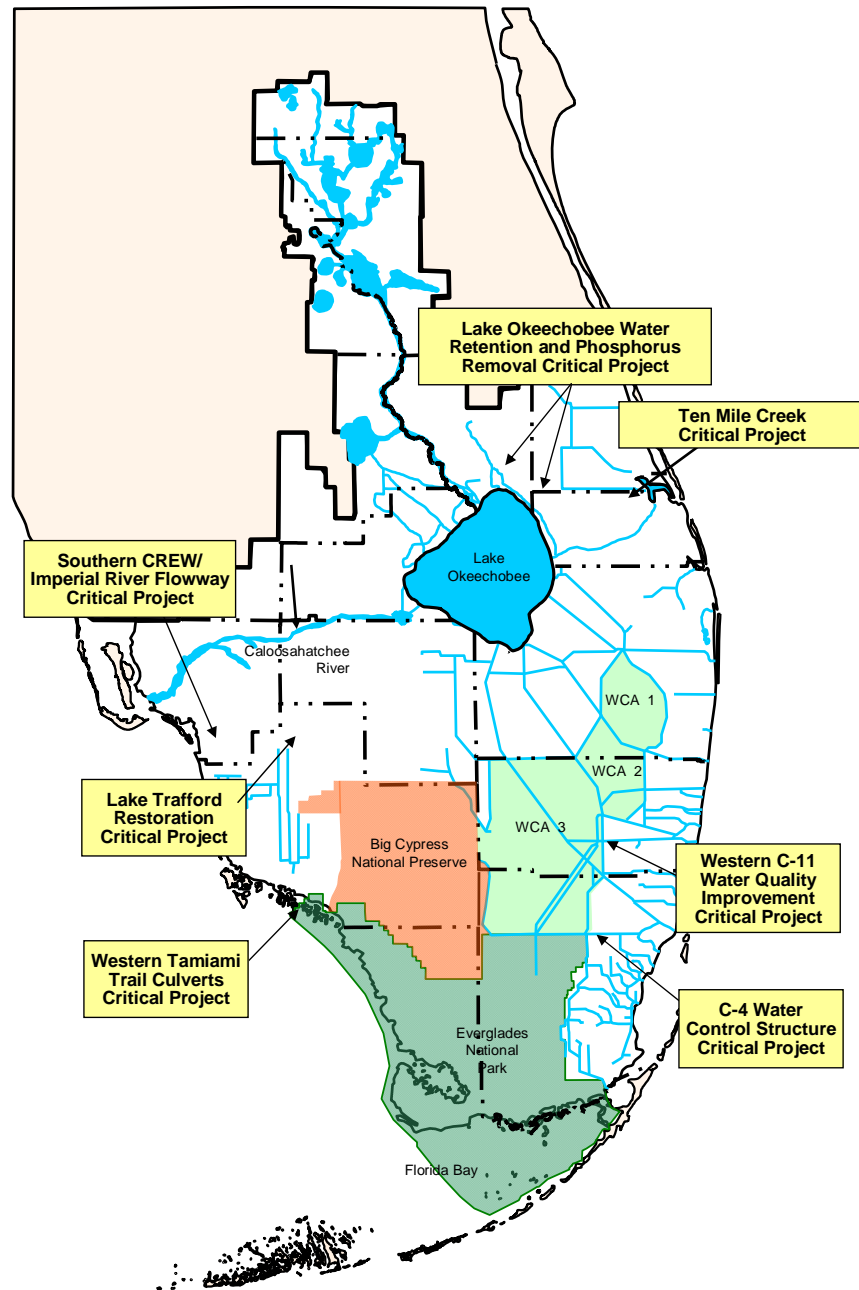


Figure 3. General location of Critical Restoration Projects.

PROJECTS STATUS OVERVIEW

CERP projects or components of projects progress through a standard implementation process that starts with completion of the project identification phase, which is formalized in the Comprehensive Plan. The process moves the project from the conceptually described projects and components contained in the Comprehensive Plan to more specifically defined features contained in Project Implementation Reports. These features are then designed, constructed, and operated to achieve project goals. In order to complete CERP implementation, projects and components must advance through the remaining phases of project planning, project design, and project construction, supported by modeling, land acquisition, and project controls and technical services performed throughout the process. **Figure 4** depicts an overview of the CERP implementation process.

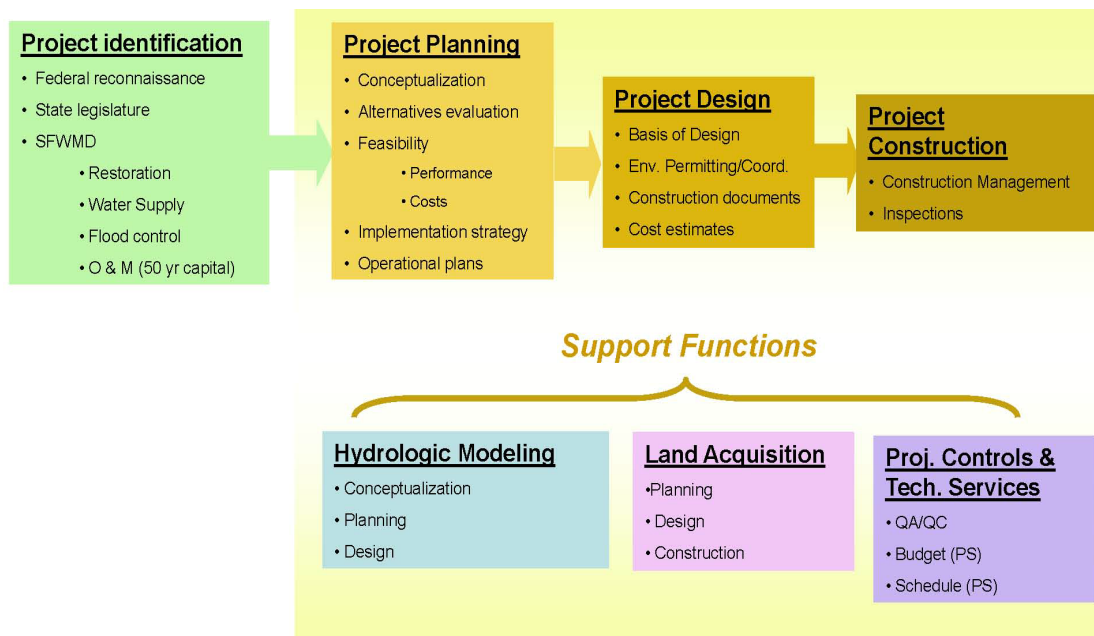


Figure 4. CERP implementation process.

Table 6 presents the progression of each CERP project and component through the CERP implementation process. It should be noted that the land acquisition support function is reflected as an implementation phase in the table, as Section 373.470(7), Florida Statutes, considers this activity alongside design and construction for financial reporting purposes. The same treatment of land acquisition is extended to reporting the implementation progress in the table. The post-implementation, operations phase is included in the table only for informational purposes.

There are 93 projects and components listed in the CERP implementation status table. During the reporting period, 27 CERP projects and components were actively being worked, including one project coordinated by another local sponsor. An additional 26 projects and components were inactive during the reporting period; however, one or more phases of the CERP implementation process have commenced. Twelve projects are being coordinated by other local sponsors. There are 25 pending projects that are planned to start in future years. Four projects are on-hold pending resolution of issues that may lead to project plan modifications.

The current listing of 93 projects and components can be linked to the original suite of 50 major projects and 68 project components using the Restudy component identifier found in the first column of Table 6 as a cross-reference.

Project specific details such as descriptions, project schedules, fiscal year milestones and accomplishments, and project cost estimates are available in the SFER Consolidated Project Report Database at www.sfwmd.gov/SFER.

Table 6. CERP Project implementation status.

Region/ Restudy Component	Comp ID	Component Name	General Status	Implementation Process				
				Planning	Land Acquisition	Design	Construction	Operations
Everglades Agricultural Area Region								
G P1, G P2	08	EAA Reservoir - PH1 & 2 Remaining w/Bolles & Cross Canals Improvements	Inactive	x	x			
G P1, G P2, A8	08A	Everglades Agricultural Area Storage Reservoirs - Phase 1	On-Hold	x	x	x	x	
DD	15	Modify Holey Land Wildlife Management Area Operation Plan	Inactive	x				
EE	16	Modify Rotenberger Wildlife Management Area Operation Plan	Inactive	x				
Everglades, Florida Bay and the Keys Region								
II	11A	G-404 Pump Station Modifications	Inactive	x				
RR	11B	Flows to NW & Central WCA 3A	Inactive	x				
QQ P1	12A	Eastern Tamiami Trail	Active	x		x	x	
SS P2	12B	Canal & Levee Modifications in WCA 3	Pending					
SS P1	12C	Part 1 - North New River Improvements (S-34 to C-6)	Pending					
QQP1, SS P1		WCA 3 Decomp & Sheetflow Enhancement, Part 1 Physical Model	Active	x		x		
AA	12D	Additional S-345 Structures	Pending					
ZZ	12E	WCA - 3A & 3B Flows to CLBSA	Pending					
QQ P2	12F	WCA 3 Decomp & Sheetflow Enhancement - Part 2	Pending					
KK	14	Loxahatchee NWR Internal Canal Structures	Pending					
EEE	23	Flows to Eastern Water Conservation Area	Pending					
V	27A	L-31N Seepage Management	Inactive	x	x			
FF	27B	S-356 Structure	Pending					
U	43A	Bird Drive Recharge Area - Shallow Water Remaining	On-Hold	x	x			
U	43B	Bird Drive Recharge Area - Athol Subdivision - Shallow Water	On-Hold	x	x			
U	43C	Bird Drive Recharge Area - Deep Water	On-Hold	x	x			
WW, A8	29A	C-111 Spreader Canal - Phase I	Active	x	x	x	x	
WW	29	C-111 Spreader Canal - Phase II	Pending					
OPE, FK	31	Florida Keys Tidal Restoration	Inactive	x				
PILOT	36	L-31N (L-30) Seepage Management Pilot	Active	x	x	x	x	
OPE	90	Miccosukee Water Management Plan	N/A					
Lake Okeechobee Watershed Region								
A	01A	North of Lake Okeechobee Storage Reservoir	Inactive	x	x			
W	01B	Taylor Creek/Nubbin Slough STA	Active	x	x	x	x	x
LOWQTF	01C	Lake Okeechobee Watershed Water Quality Treatment Facilities	Active	x	x			
OPE(LOTSD)	01D	Lake Okeechobee Tributary Sediment Dredging	Pending					
GG P1	03A	Lake Okeechobee ASR - Phase 1	Pending					
GG P2	03B	Lake Okeechobee ASR - Phase 2	Pending					
GG P3	03C	Lake Okeechobee ASR - Phase 3	Pending					
PILOT	32	Lake Okeechobee ASR Pilot ¹	Active	x	x	x	x	x

Table 6. Continued.

Region/ Restudy Component	Comp ID	Component Name	General Status	Implementation Process				
				Planning	Land Acquisition	Design	Construction	Operations
Lower West Coast Region								
D P1	04	C-43 Basin Storage Reservoir - Part 1 Remaining	Inactive		x			
D P1, A8	04A	Caloosahatchee River (C-43) West Basin Storage Reservoir	Active	x	x	x		
D P2	05	C-43 Basin Storage Reservoir - Part 2	Inactive	x				
DDD	06	Caloosahatchee Back-pumping with Stormwater Treatment	Pending					
CCC	10	Big Cypress - L-28 Interceptor Modifications	Pending					
OPE, SEGGHR, A8	30	Picayune Strand Restoration	Active	x	x	x	x	
PILOT	33	Caloosahatchee River (C-43) ASR Pilot ¹	Active	x	x	x	x	x
OPE	93	Henderson Creek/Belle Meade Restoration	N/A					
OPE	94	Lakes Park Restoration	Active	x	x	x		
OPE	96	Seminole Tribe Big Cypress Reservation Water Conservation Plan	N/A	x	x	x		
Miami-Dade County Region								
XX P2	25A	North Lake Belt Storage Area - Phase 2	Pending					
XX P1	25B	North Lake Belt Storage Area - Phase 1	Inactive	x	x			
S P1	26	Central Lake Belt Storage - Phase 1	Pending					
S P2	26A	Central Lake Belt Storage - Phase 2	Pending					
FFF/OPE, A8	28A	Biscayne Bay Coastal Wetlands - Phase 1	Active	x	x	x	x	
FFF/OPE	28	Biscayne Bay Coastal Wetlands - Phase 2	Inactive		x			
PILOT	35	Lake Belt In-Ground Reservoir Technology Pilot	Inactive	x				
PILOT	37A	South Miami-Dade WW Reuse Pilot	N/A					
PILOT	37B	West Miami-Dade WW Reuse Pilot	N/A					
NONE	92	Restoration of Pineland & Hardwood Hammocks in C-111 Basin	N/A					
HHH	97	West Miami-Dade Reuse	N/A	x				
BBB	98	South Miami-Dade Reuse	N/A	x				
North Palm Beach County Region								
OPE(PALMAR)	17A	Pal Mar and JW Corbett Wildlife Mgt Area Hydropattern Restoration	Active	x	x	x	x	
K P1	17B	L-8 Basin	Active	x				
GGG	17C	C-51 & L-8 Reservoir	Active	x	x	x	x	x
OPE(LWL)	17D	Lake Worth Lagoon Restoration	Active	x		x	x	
X	17E	C-17 Backpumping & Treatment	Inactive	x				
Y	17F	C-51 Backpumping and Treatment	Inactive	x				
LL	18A	C-51 Regional Groundwater Aquifer Storage and Recovery	Pending					
K P2	18B	L-8 Basin Aquifer Storage & Recovery	Pending					
NONE	91	Winsberg Farms Wetlands Restoration	N/A	x	x	x	x	x

Table 6. Continued.

Region/ Restudy Component	Comp ID	Component Name	General Status	Implementation Process				
				Planning	Land Acquisition	Design	Construction	Operations
Upper East Coast Region (IRL-South)								
UU, A8	07A01	C-44 Reservoir	Active	x	x	x	x	
	07A01	C-44 Test Cells	Active	x	x	x	x	x
B, A8	07A02	C-44 West STA	Active	x	x	x		
B, A8	07A03	C-44 East STA	Active	x	x	x		
UU	07A04	Pal Mar Complex	Active	x				
UU	07B05	C-23/C-24 North Reservoir	Inactive	x	x			
UU	07B06	C-23/C-24 South Reservoir	Inactive	x	x			
UU	07B07	C-23/C-24 STA	Inactive	x	x			
B	07B09	Allapattah Complex	Active	x	x	x	x	x
UU	07B10	Cypress Creek Complex	Inactive	x	x			
B	07B13	Southfork Storage & Water Quality	Inactive	x	x			
UU	07C12	C-25 Reservoir & STA	Inactive	x				
UU	07C14	North Fork Floodplain Restoration	Inactive	x	x	x	x	x
UU	07C15	Muck Remediation & Artificial Habitat	Inactive	x				
Water Preserve Area Region								
VV P1	20	PBC Agricultural Reserve Reservoir - Part 1	Inactive	x	x			
VV P2	21	PBC Agricultural Reserve Reservoir - Part 2	Pending					
M P2	22	Hillsboro Aquifer Storage and Recovery	Pending					
CC P1	24	Broward County Secondary Canal System	N/A					
PILOT	34	Hillsboro ASR Pilot ¹	Active	x	x	x	x	x
NONE, A8	38	Acme Basin B Discharge	N/A	x	x	x	x	x
OPE	39	Strazzulla Wetlands	Inactive	x	x	x		
M P1, A8	40	Fran Reich Preserve - Site 1 Impoundment	Active	x	x	x	x	
O, A8	45A	WCA 3A & 3B Levee Seepage Management	Active	x	x	x		
Q, A8	45B	C-11 Impoundment	Active	x	x	x		
R, A8	45C	C-9 Impoundment	Active	x	x			
T	46	C-4 Control Structures	Pending					
YY, S P1	48A	L-30 Canal Upgrade	Pending					
YY, S P1	48B	WCA - 2B Flows to CLBSA	Pending					
BB	49B	Dade-Broward Levee & Canal	Inactive	x	x			

¹ Included in the ASR Regional Study.

NOTE: The current listing of projects and components can be linked to the original suite of 50 major projects and 68 project components using the Restudy component identifier found in the first column of Table 6 as a cross-reference.

General Status

- **Pending** – Project start date is pending.
- **Inactive** – One or more phases of the CERP implementation process have commenced; however, no additional work was performed during the reporting period, pending resolution of some external driver (priorities, funding constraint, scheduling, etc.).
- **On-Hold** – Work on project has been discontinued due to potential project plan modifications.
- **Active** – Project implementation activities occurred in the current fiscal year (FY2010).

CERP IMPLEMENTATION HIGHLIGHTS

Key activities and milestones completed during the reporting period are highlighted below.

Land Acquisition

- Approximately 232,505 acres, or 60 percent, of estimated lands needed for CERP have been acquired as of September 30, 2010.

Picayune Strand Restoration Project

Phase I

- Seven miles of Prairie Canal filled
- 65 miles of roadway removed
- 17 culverts have been constructed to restore natural sheet flow
- More than 13,000 acres of restored and enhanced habitat

Phase II

- Merritt Pump Station construction and Phase II road and logging tram removal began on January 7, 2010

North Palm Beach County – Part 1 Project

- Tentatively Selected Plan identified in July 2010
- 46,000 acre-feet of storage acquired
- G-160 and G-161 structure installation completed

Acme Basin B Discharge Project

- Phase 1 construction of new pump station and canal improvements complete
- Project named American Society of Civil Engineers' Palm Beach Branch "Outstanding Project of the Year for 2009"

C-111 Spreader Canal Western Project

- Construction of the Frog Pond Detention Area, modifications to the Aerojet Road Canal, and plugging of the C-110 and L-31E canals began in January 2010

Biscayne Bay Coastal Wetlands – Phase I Component

- Phase I design completed
- Construction of L-31E Culverts and Deering Estate features began in 2010
- Cutler Flow-way construction scheduled to begin in 2011

Indian River Lagoon – South, C-44 Reservoir/STA Component

- Test cell, project design, and permitting completed
- Relocation features and reservoir scheduled for construction in 2010
- Caloosahatchee River (C-43) West Basin Storage Reservoir Project

Caloosahatchee River (C-43) West Basin Storage Reservoir Project

- Test cell and project design completed
- Approximately 6,000 acres of citrus removal scheduled for completion in 2010
- The Chief's report on the C-43 West (Caloosahatchee River) Reservoir Project, outlining the recommended plan for implementation, was signed by the Lieutenant General, U.S. Army, Chief of Engineers in March 2010

Lake Okeechobee Watershed, Lakeside Ranch STA (Taylor Creek and Nubbin Slough STA – Phase I) Components

- Phase I – construction under way
- Phase II – design under way

Fran Reich Preserve/Site 1 Impoundment Project

- Project Partnership Agreement executed summer 2010
- Award of construction contract executed fall 2010

Melaleuca Eradication and Other Exotic Plants

- Award of construction contract executed fall 2010

LITERATURE CITED

USACE and SFWMD. 1999. Central and Southern Florida Project Comprehensive Review Study, Final Integrated Feasibility Report and Programmatic Environmental Impact Statement, April 1999. U.S. Army Corps of Engineers, Jacksonville, FL and South Florida Water Management District, West Palm Beach, FL.